

FIGURE 1

Known Heat Shock-Induced Genes:

<i>ibpA</i>	CAAAAAGTCCGCTGATAAGGCTTGAAAGTTCAATTT---CCAGACCCCATTTTACATCGTAGCC	SEQ.ID.NO.: 23
<i>yrfG</i>	ATTCAGGCCCTATTATGAAAGCTGCCTGAACCCGCAACTG---ATCAGCCCTTCAGAAAAGCCTTATGC	24
<i>ycvV</i>	CCGCTGTGATGACCAGCGATTATTTTCAGAAAATCACGCG---GATGCCGCAATTGATGCCGCAATTG	25
<i>fxsA</i>	ACCAAAAATAGTTGCGCAAAACATCTTGAAATTTTCTA---ATGACCAACAATATAAGCTAAACGCG	26
<i>dnaK</i>	ACAAAAAATTTTGCATCTCCCTTCATGACGTGGTTT---ACGACCCCATTTAGTAGTCAACCCGC	27
<i>hspG</i>	GAGAGCAGGATCACCTGCTCTCGCTTGAAATTAATCTCCC---TTGTCCCAATCTCTCCACATCCCTG	28
<i>clpP</i>	CGTAACACAAAAGATTTGTTATGCTTGAAATATGTTGATG---CCGTACCAATAACACAGGACTAGC	29
<i>clpB</i>	TTTCACATTAATCTGGTCAATAAACCTTGAAATAATGAGGG---ATGACCTCAATTTAAATCTCCAGTAGC	30
<i>hslV</i>	CTGCATTCGGCTCGCCCGCGGGGTTGAACCCCTCAAAA---TCCCAATCTCTATATAATTGCATTAT	31
<i>groES</i>	CAGAAATTTTCTTTTCCCTTGAAAGGGCGAAGCC---TATCCCAATTTCTCTGGTCACCAG	32
<i>lon</i>	TAAATTTTCTCTATCTCGCGCTTGAAATGTGGGGAA---ACATCCCAATATACTGACGTACATG	33
<i>hspX</i>	TGGTGACTTACGCACATATCCAGACTTGAAATAATAGTCG---CGTAACCCATACGATGTGGGTATCG	34
<i>grpE</i>	TTGATGACAAATGTGAGTGTCTCCCTTGAAACCCCTGAAAC---TGATCCCAATAATAAGCGAAGTTAG	35
<i>rrmJ</i>	TCGTATTTTGTCTTACGTTGGGATTGAAACGGGTTCATT---CTACCGGATCTCCCATATATCACCC	36
consensus	--GAA---AT---T---T---C---CTTGAAA---G-----G---CCCCAT-T-----	37

Additional Genes Induced by Translational Misfolding:

<i>yagU</i>	TGATGATGGGAGCTGGTTTATTGCTTTAGTTGTACGATGC---AAAAACCAATAAGGAAACCTGTGAT	SEQ.ID.NO.: 38
<i>yciS</i>	TTTTCCGAATTTAGCCCTTAAATCAATCAACAATGCGTG---TGATGQCAATTTTCGACAGCGCGC	39
<i>ybeD</i>	CTGGTTTGGTTAAAAATTAACAACCTTGAAAGTGTAATTT---CCGTCCCAATATACTAAGCATCAGT	40
<i>araE</i>	ATAATCTCAATAATTCAACTTAATTTGAAATTTGGAATA---TCCATCACATAACGACATGTCCGCAG	41
<i>exbB</i>	TTTGTCTGCGTCTGCATTCACCAAGTTGAGTATCAAGCTTTT---TGTCGCCCATGTCCGGGATTCCTGTT	42
<i>yhgI</i>	GCAACCTGAAAAAATGCCCTTTCGTCTTGAAATTGCCCGTGCA---AGGTGCGCCATATGGTATTGTGGAT	43



Summary of Screening Results for 186 *T. maritima* proteins

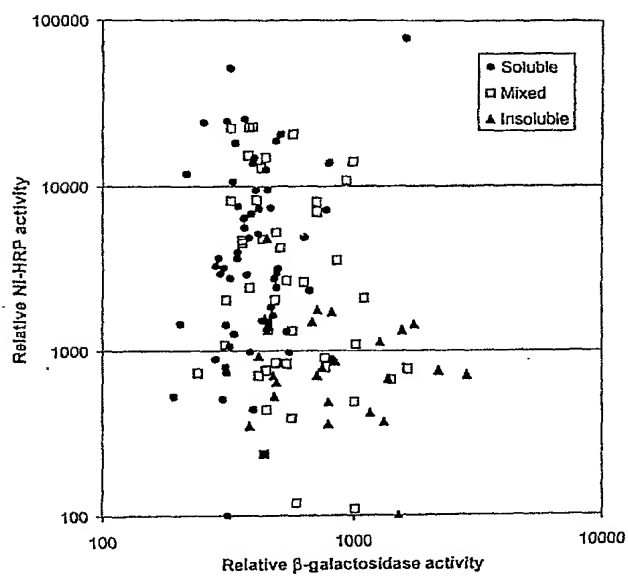


Fig. 3

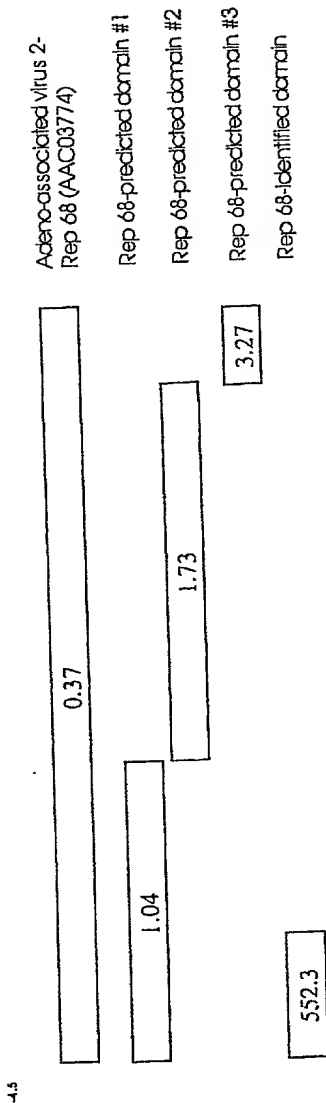
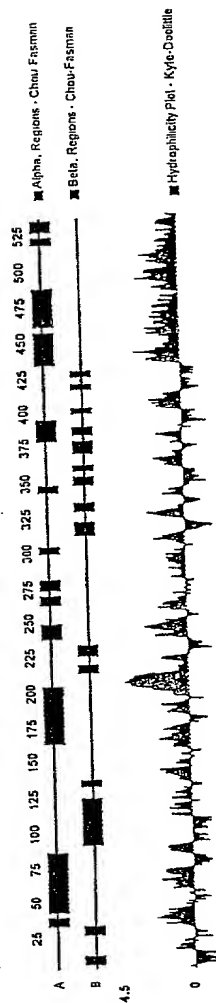


Fig. 4